



UV-C SURFACE DISINFECTION ROBOT

mUve™ is an autonomous surface disinfecting robot that utilizes high-power UV-C designed to destroy 99.9%+ of pathogens such as molds, bacteria, and viruses including SARS-CoV-2.

KEY BENEFITS AND FEATURES

- Focuses high energy UV-C output in a single 120 degree beam using an anodized aluminum reflector to maximize the intensity on the target surfaces
- Disinfects at 18 inches per second, approximately 15,000 sq.ft per hour
- Additional UV-C lamp on the robot's base for floor disinfection
- Safety sensors (LiDAR) detect and emit verbal warnings, stopping operation if humans are within 5m of the operating robot
- Anti-collision, ultrasonic sensors, driven by a single-eye depth camera protect the robot and objects in its path
- Fully autonomous robot is capable of data mapping over 2 million square feet of space when performing scheduled disinfection service
- Quick battery change out for continuous operation
- Cloud based alerting, tracking and reporting system



PRODUCT SPECIFICATIONS

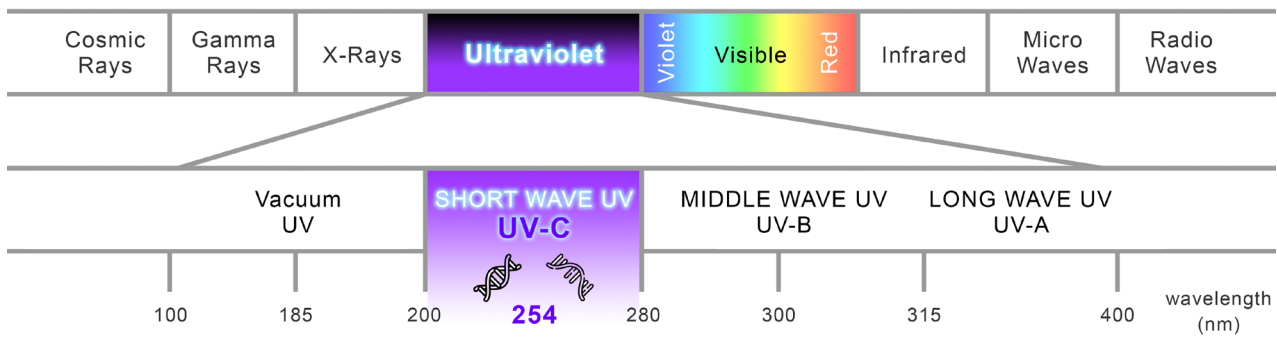
Size	19.69" diameter 68.89" height 228 lbs
UV-C	Mercury (amalgam) quartz tubes 254 nm major spectrum 475 Watt UV-C quartz lamp producing 142.5 Watt UV-C
Surface Disinfection Speed	18 inches/sec designed for 99.99% disinfection at 1 meter from the UV-C lamp
Charging	8 hours or quick battery change out for continuous operation
Operating Time	~3 hours with main UV lamp per battery
Wheels	Two rubberized 6.69" diameter drive wheels plus additional rubberized casters for support, balance, and tilt prevention
Effective Lamp Life	10,000 hours (~2 years with 12 hours per day operation)
Warranty	10,000 hours rated UVC quartz lamp (1 year warranty) 1 year warranty on robot



PRODUCT SPECIFICATION

PRODUCT	SKU	DESCRIPTION
UV Robot	MUVE-UVCD-R1	UV-C Surface disinfection robot

UV in the Electromagnetic Spectrum



DIAGRAM

